CLAIMS

1. A method of recovering a base paper for gypsum board, which is configured to recover a base paper for gypsum board from a waste material of gypsum board comprising a gypsum core and the base paper for gypsum board adhering thereto, characterized by comprising steps of

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breaking the waste material of gypsum board, separating a gypsum component and a paper piece of the base paper for gypsum board from the broken waste material of gypsum board, and

washing the separated paper piece with water using a rotary drum-type washing device so as to eliminate a gypsum component adhering to the paper piece.

- The method of recovering a base paper for gypsum board as claimed in claim 1 characterized by further comprising a step of burning the broken waste
 material of gypsum board or the separated paper piece, wherein the burning step is provided before the water washing step.
- 3. The method of recovering a base paper for gypsum board as claimed in claim 1 characterized by further comprising a step of dewatering the water-washed paper piece.
- 4. The method of recovering a base paper for
 30 gypsum board as claimed in claim 1 characterized by
 further comprising a step of previously dispersing or
 mixing the separated paper piece into a portion of washing
 water before the separated paper piece is introduced to

the rotary drum-type washing device.

- 5. The method of recovering a base paper for gypsum board as claimed in claim 1, wherein a ratio of a weight of the separated paper piece to a weight of fresh water in the washing water is in a range of 1:5-1:100.
- 6. The method of recovering a base paper for gypsum board as claimed in claim 5, wherein, in the step of previously dispersing or mixing the separated paper piece into a portion of washing water, a ratio of a weight of the separated paper piece to a weight of the portion of washing water is in a range of 1: 1 1: 15.

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7. The method of recovering a base paper for gypsum board as claimed in claim 3, characterized in that the step of dewatering the paper piece comprises squeezing and dewatering of the water-washed paper piece.

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- 8. An apparatus of recovering a base paper for gypsum board, characterized by comprising
- a device configured to break a waste material of gypsum board,
- a device configured to separate a burnt gypsum component and a paper piece from the broken waste material of gypsum board,
 - a rotary drum-type washing device configured to wash the separated paper piece with water so as to eliminate a burnt gypsum component adhering to the paper piece, and
 - a device configured to dewater the water-washed paper piece.

- 9. The apparatus of recovering a base paper for gypsum board as claimed in claim 8, characterized by further comprising a device configured to burn the broken waste material of gypsum board.
- 10. The apparatus of recovering a base paper for gypsum board as claimed in claim 8, characterized by further having a device configured to disperse or mix the separated paper piece into water before washing the separated paper piece with water.
- 11. The apparatus of recovering a base paper for gypsum board as claimed in claim 8, characterized in that the dewatering device is a device configured to squeeze and dewater the water-washed paper piece.